



# **Hivemind 1220**

Technical Brief

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### PERFORMANCE

**Single Intel Pentium 4 / Single Intel Celeron Processor:** The combination of increased front side bus (FSB) speed (800MHz) and larger L2 cache (1MB) compared to the previous Pentium 4 processors are designed to process more data in less time, thus helping boost overall system performance. The Celeron processor option provides users a lower cost alternative for more deployment flexibility.

**Hyper-Threading:** Hyper-Threading provides improved performance for multithreaded applications through better use of processor resources. In simplified terms, Hyper-Threading causes the OS to view one physical processor as two logical processors, which can help improve response time because multiple tasks can be run simultaneously in certain application environments.

**Dual Channel Memory:** Dual channel memory architecture increases the speed to access system memory, vital for the overall performance of the platform.

### STORAGE

**Hard Drive Capabilities:** Up to 800GB (2 x 400GB) at 7,200 RPM of internal storage using SATA hard drives.

### APPLICATION SUPPORT

Database applications, edge of network and Internet infrastructure applications (web servers, firewall, workload balancing, domain controllers, Domain Name System (DNS) servers, Dynamic Host Configuration Protocol (DHCP) servers), messaging and file/print applications. Additionally, it is an excellent platform for thin client/server based computing (e.g., Citrix®) and SAN compute node.

### EXPANDABILITY

**Memory:** Scalable memory allows customers to increase server memory as their application demands increase. Many database and messaging applications will benefit from increased memory scalability and fast access to memory data with support for up to 4 GB of SDRAM w/ 2-way interleaving.

**PCI X Slots:** One full length 64-bit/66MHz PCI Slot for expanded functionality of the system, by adding PCI cards, such as RAID controllers, remote management card, or an additional NIC.

<b>PROCESSOR</b>	Single Intel® Pentium® 4 or Celeron® Processor
<b>OPERATING SYSTEM</b>	Microsoft® Windows® Server 2003
<b>SYSTEM BUS</b>	800/533/400MHz
<b>MEMORY</b>	Four DIMM sockets supporting up to 4GB SDRAM with 2-way interleaving
<b>CHIPSET</b>	Intel E7210
<b>DRIVE BAYS</b>	Up to two cold-swap SATA hard drives plus one CD-ROM and one floppy drive
<b>HARD DRIVE CONTROLLER</b>	Integrated dual channel SATA-150 supporting 2 SATA drives
<b>GRAPHICS</b>	Integrated ATI Rage XL 8MB SVGA PCI video controller
<b>NETWORK INTERFACE</b>	Integrated Dual Gigabit Ethernet NIC
<b>BUILT-IN I/O</b>	One serial port, One 25-pin parallel port, Two USB Ports, Two NIC ports, Two PS/2, One VGA
<b>EXPANSION SLOTS</b>	One full-length 64-bit/66MHz PCI slot
<b>POWER SUPPLY</b>	Fixed 260 watt power supply with +3.3v, +5v, +12v, -5v and -12v main DC outputs and a 5V standby output
<b>FANS</b>	Two 10-cm ball bearing blower fans
<b>CHASSIS</b>	1U Rack Chassis
<b>SYSTEM DIMENSIONS</b>	1.7"(H) x 16.7"(W) x 22.6"(D)
<b>AVERAGE SHIPPING WEIGHT</b>	40 lbs.
<b>ACOUSTIC EMISSIONS</b>	Sound level: <50 dBA
<b>ELECTROSTATIC DISCHARGE</b>	15kV
<b>ELECTROMAGNETIC CAPABILITY</b>	FCC Part 15, Class A (US) ICES-003, Class A (Canada)
<b>SYSTEM SECURITY</b>	Startup password; Flexible disk drive, CD ROM, and hard disk drive boot disable; Power and reset switch lock; Enable or disable serial port, parallel port, flexible disk drive, and write operations to the flexible disk drive; Chassis Intrusion Detection
<b>RELATIVE HUMIDITY</b>	Humidity 5-90% Operating Temp 0-35C Non-Operating Temp -35-+60c
<b>OPERATING TEMPERATURE</b>	0° C to 35° C
<b>REGULATORY /CERTIFICATION</b>	UL 60950 FCC Class A (US) - CSA 950 Class A (US/Canada)
<b>SUPPORTING DOCUMENTATION</b>	Electronic Manual, Driver CD, Quick Start Guide, ReadMe First Flyer, System Safety Manual, and other documentation dependent on configuration
<b>STANDARD WARRANTY AND SERVICE OFFERINGS</b>	3-Year Limited Parts Warranty & Technical Support Policy; 3 Network Operating System (NOS) Resolutions

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